



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : MALTOSE MONOHYDRATE FOR BACTERIOLOGY**

|                         |                                                                    |                     |                     |
|-------------------------|--------------------------------------------------------------------|---------------------|---------------------|
| <b>CAS No</b>           | <b>: 6363- 53- 7</b>                                               | <b>Product code</b> | <b>: 15580</b>      |
| <b>Mol. Formula</b>     | <b>: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>.H<sub>2</sub>O</b> | <b>Batch No</b>     | <b>: MCR-21249</b>  |
| <b>Mol. WT</b>          | <b>: 360.32</b>                                                    | <b>Mfd.</b>         | <b>: April 2020</b> |
| <b>Date of analysis</b> | <b>: 24/04/20</b>                                                  | <b>Exp.</b>         | <b>: May 2025</b>   |

| S. R | Test                                              | Specification                        | Observation                |
|------|---------------------------------------------------|--------------------------------------|----------------------------|
| 1    | Description                                       | A White powder or crystalline powder | A White crystalline powder |
| 2    | Specific Rotation $[\alpha]^{20}_D$ (5% in water) | +127° to +132°                       | +127.45°                   |
| 3    | Moisture (by KF)                                  | 4.5 to 5.5%                          | 5.45%                      |
| 4    | Sulphated ash                                     | 0.1% max                             | 0.07%                      |
| 5    | Dextrine                                          | 0.5%max                              | <0.5%                      |
| 6    | Arsenic (As)                                      | 0.0002% max                          | <0.0002%                   |
| 7    | Lead (Pb)                                         | 0.001% max                           | < 0.001%                   |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**HEAD-QUALITY ASSUARANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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